

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start		Rating **	M	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				
DWR ID	DWR_RD2031_01_s_2013_5				
Comment Code					
Inspector Comment					
LMA has a flood response plan but did not have a recent DWR flood fight training.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD2031_01_s_2013_6				
Comment Code					
Inspector Comment					
Supplies available on-site.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	12		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_RD2031_01_s_2013_12						
Comment Code							
Inspector Comment							
O&M Manual available at the office.							

No Photos

LM Start	0.03	Rating **	M	Issue No.	18
LM End	0.03	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.709989 °	37.709989 °
				-121.155892 °	-121.155892 °
DWR ID	DWR_RD2031_01_s_2017_18				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Add appropriate fill to pot hole to bring levee crown back to grade.					

Photo 1 of 1 : SP_2017_RD2031_307_18_20170427_00110.jpg



View of the potholes on the levee crown.

LM Start	0.07	Rating **	M	Issue No.	31
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.709915 °	37.708707 °
				-121.156548 °	-121.156764 °
DWR ID	DWR_RD2031_01_f_2016_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_31_20170407_00017.jpg



View of the vegetation on the landside levee slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	0.17	Rating **	M	Issue No.	32
LM End	0.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.708350 °	37.705155 °
				-121.156856 °	-121.158451 °
DWR ID	DWR_RD2031_01_f_2016_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_32_20170427_00111.jpg



View of the vegetation on the waterside levee slope. Looking downstream.

LM Start	0.35	Rating **	A/W	Issue No.	983
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.705932 °	37.705932 °
				-121.157985 °	-121.157985 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20024 DS_ID:20437 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal stormdrain pipe through the levee 3.5-feet below the crown. Concrete "U" headwall on both ends. Flap gate on the waterward end. Installed by UASCE, 1966. Originally included in the 1968 O&M manual. FS Date: 9/11/2013					

Photo 1 of 2 : UCIP_SP_2017_20024_33924.jpg



Concrete headwall on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	0.35	Rating **	A/W	Issue No.	983 (cont)	
LM End	0.35	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.705932 °	37.705932 °	
				-121.157985 °	-121.157985 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20024 DS_ID:20437 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal stormdrain pipe through the levee 3.5-feet below the crown. Concrete "U" headwall on both ends. Flap gate on the waterward end. Installed by UASCE, 1966. Originally included in the 1968 O&M manual. FS Date: 9/11/2013						

Photo 2 of 2 : UCIP_SP_2017_20024_33923.jpg



Concrete headwall and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	0.45	Rating **	M	Issue No.	1
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.704740 °	37.704740 °
				-121.159140 °	-121.159140 °
DWR ID	DWR_RD2031_01_s _ 2017_1				

Comment Code

Inspector Comment

07/25/2016: No significant change observed.
 08/28/2015: No significant change observed.
 07/31/2014: No significant change observed.
 09/10/2013: No significant change observed.
 07/18/2012: No significant change observed.
 08/18/2011: No significant change observed on site. Debris that blocks the irrigation outlet is visible.
 10/19/2010: No significant change observed on site. Sloughing of the bank is occurring adjacent to an irrigation outlet structure. There is moderate to heavy vegetation along the bank that is well established. Broken chunks and slabs of concrete are used as rip rap and line the outside of the irrigation outlet structure. However, much of the rip rap along the slope is sloughing and could possibly lead to future slope instability.
 08/05/2010: Recommended as a local maintenance issue, per CLRO.
 08/20/2009: No major change observed since last visit; 1 inch fissure cracks developing on the slope; rip rap is showing signs of sloughing; recommend as local maintenance issue; site was previously rated "U".
 2008: No change from previous year; irrigation outlet located on site; rip rap placed on river bank.
 09/06/2007: Near agricultural diversion; only 3' landside height differential. [2016 Site ID:RD2031U01RM0.48]

LM Start	0.45	Rating **	M	Issue No.	1 (cont)
LM End	0.48	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2017_RD2031_307_1_20170407_00001.jpg



Direct view of the site.

Photo 2 of 2 : SP_2017_RD2031_307_1_20170407_00002.jpg



View of the current condition of the bank slope just above the irrigation outlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	0.48	Rating **	U	Issue No.	2
LM End	0.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.704385 °	37.704050 °
				-121.159217 °	-121.159578 °
DWR ID	DWR_RD2031_01_s_2012_2				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation 20 feet away from the levee crown.					

LM Start	0.48	Rating **	U	Issue No.	2 (cont)
LM End	0.51	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2017_RD2031_307_2_20170407_00003.jpg



View of the large tree branch on the waterside levee slope. Fall 2016

Photo 2 of 3 : SP_2017_RD2031_307_2_20170407_00004.jpg



View of vegetation on waterside slope. Facing upstream.

LM Start	0.48	Rating **	U	Issue No.	2 (cont)
LM End	0.51	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2017_RD2031_307_2_20170407_00005.jpg



10/26/2011 Updated photo of waterside vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	0.56	Rating **	A/W	Issue No.	984
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.703323 °	37.703323 °
				-121.159771 °	-121.159771 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20044 DS_ID:20439 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 15-inch corrugated metal pipe stormdrain through the levee 9.0-feet below the crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope. Drainage canal off LS toe. Originally included in the 1968 O&M manual. This pipe replaced a 15-inch pipe at same location. FS Date: 9/11/2013					

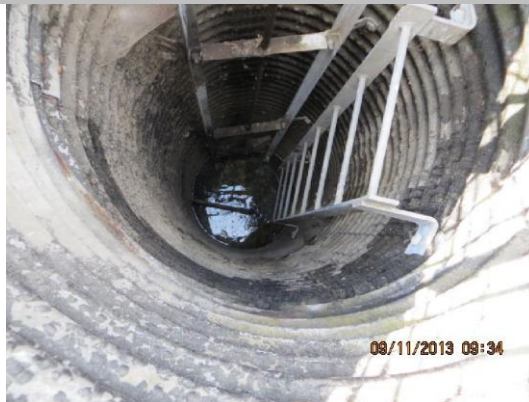
Photo 1 of 3 : UCIP_SP_2017_20044_33942.jpg



36-inch CMP riser on WS shoulder.

LM Start	0.56	Rating **	A/W	Issue No.	984 (cont)
LM End	0.56	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_20044_33941.jpg



Slide gate in CMP riser on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	0.56	Rating **	A/W	Issue No.	984 (cont)	
LM End	0.56	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.703323 °	37.703323 °	
				-121.159771 °	-121.159771 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20044						
DS_ID:20439						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 15-inch corrugated metal pipe stormdrain						
through the levee 9.0-feet below the crown. Slide gate in 36-inch						
corrugated metal pipe riser on the waterward slope. Drainage canal off						
LS toe. Originally included in the 1968 O&M manual. This pipe						
replaced a 15-inch pipe at same location.						
FS Date: 9/11/2013						

Photo 3 of 3 : UCIP_SP_2017_20044_33940.jpg



Drainage ditch at inlet on LS toe.

LM Start	0.77	Rating **	M	Issue No.	36
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.701177 °	37.701177 °
				-121.162055 °	-121.162055 °
DWR ID	DWR_RD2031_01_f_2012_36				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_36_20170407_00023.jpg



View of rodent burrows on landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	0.84	Rating **	M	Issue No.	42
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.700447 °	37.700447 °
				-121.162742 °	-121.162742 °
DWR ID	DWR_RD2031_01_f_2016_42				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_42_20170407_00027.jpg



View of the erosion of the landside levee slope.

LM Start	1.00	Rating **	M	Issue No.	59
LM End	1.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.699327 °	37.699327 °
				-121.165364 °	-121.165364 °
DWR ID	DWR_RD2031_01_f_2014_59				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Some of the rodent holes have collapsed.					

Photo 1 of 3 : SP_2017_RD2031_307_59_20170407_00042.jpg



View of the rodent holes on the landside levee slope.

LM Start	1.00	Rating **	M	Issue No.	59 (cont)
LM End	1.00	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2017_RD2031_307_59_20170407_00043.jpg



Another view of the rodent hole on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	1.00	Rating **	M	Issue No.	59 (cont)	
LM End	1.00	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.699327 °		37.699327 °
				-121.165364 °		-121.165364 °
DWR ID	DWR_RD2031_01_f_2014_59					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Some of the rodent holes have collapsed.						

Photo 3 of 3 : SP_2017_RD2031_307_59_20170407_00044.jpg



View of the multiple rodent holes on the landside levee slope.

LM Start	1.16	Rating **	M	Issue No.	44
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.698848 °	37.698848 °
				-121.168088 °	-121.168088 °
DWR ID	DWR_RD2031_01_f_2016_44				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD2031_307_44_20170427_00112.jpg



View of the rodent holes on the landside levee slope.

LM Start	1.16	Rating **	M	Issue No.	44 (cont)
LM End	1.16	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD2031_307_44_20170407_00029.jpg



Another view of the rodent holes on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	1.41	Rating **	U	Issue No.	62
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.699833 °	37.699833 °
				-121.172060 °	-121.172060 °
DWR ID	DWR_RD2031_01_s_2017_62				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_62_20170427_00113.jpg



View of the erosion on the levee slope penetrating levee prism.

LM Start	1.55	Rating **	A/W	Issue No.	990
LM End	1.55	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.698921 °	37.698921 °
				-121.174144 °	-121.174144 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20088 DS_ID:20446 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee 3.5-feet below the crown. Concrete headwalls on both ends. Flap gate on the waterward end. Installed by USACE, 1966. Also included in the 1968 O&M manual. FS Date: 9/11/2013					

Photo 1 of 3 : UCIP_SP_2017_20088_34030.jpg



Bowl shaped concrete inlet on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	1.55	Rating **	A/W	Issue No.	990 (cont)	
LM End	1.55	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.698921 °	37.698921 °	
				-121.174144 °	-121.174144 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20088 DS_ID:20446 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee 3.5-feet below the crown. Concrete headwalls on both ends. Flap gate on the waterward end. Installed by USACE, 1966. Also included in the 1968 O&M manual. FS Date: 9/11/2013						

Photo 2 of 3 : UCIP_SP_2017_20088_34029.jpg



Bowl shaped concrete inlet on LS slope.

LM Start	1.55	Rating **	A/W	Issue No.	990 (cont)
LM End	1.55	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_20088_34028.jpg



Concrete U-shaped headwall on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	1.59	Rating **	M	Issue No.	63
LM End	1.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.698555 °	37.698555 °
				-121.174737 °	-121.174737 °
DWR ID	DWR_RD2031_01_s_2017_63				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_63_20170427_00114.jpg



View of the rodent holes on the levee slope.

LM Start	1.62	Rating **	M	Issue No.	52
LM End	1.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.698334 °	37.698334 °
				-121.175176 °	-121.175176 °
DWR ID	DWR_RD2031_01_f_2013_52				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA is actively controlling rodents. This area is heavily active and should be addressed more aggressively.					

Photo 1 of 1 : SP_2017_RD2031_307_52_20170407_00036.jpg



View of the active rodent hole on the levee slope. Fall 2016

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	1.63	Rating **	U	Issue No.	9
LM End	1.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.698208 °	37.698208 °
				-121.175400 °	-121.175400 °
DWR ID	DWR_RD2031_01_s_2012_9				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Active erosion around irrigation inlet in levee prism.					

Photo 1 of 1 : SP_2017_RD2031_307_9_20170407_00013.jpg



10/26/2011 Active erosion into levee prism around irrigation inlet.

LM Start	1.73	Rating **	U	Issue No.	29
LM End	1.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.697477 °	37.695818 °
				-121.176953 °	-121.177542 °
DWR ID	DWR_RD2031_01_s_2016_29				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Maintain vegetation 12 inches tall or less on levee slope and within 10 feet of levee toe.					

Photo 1 of 2 : SP_2017_RD2031_307_29_20170427_00115.jpg



View of the tall vegetation on the landside levee slope.

LM Start	1.73	Rating **	U	Issue No.	29 (cont)
LM End	1.86	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD2031_307_29_20170407_00016.jpg



Another view of the tall vegetation on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	1.78	Rating **	M	Issue No.	991
LM End	1.78	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696958 °	37.696958 °
				-121.177464 °	-121.177464 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41354 DS_ID:20470 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Silt buildup at inlet and outlet. FIELD_STRUCT_DESC: 1 of 2: 24-inch corrugated metal pipe through the levee 9.5-feet below the crown. Concrete "U"-shaped headwalls on both ends. Flap gate on the waterward end. Installed by USACE, 1966. Also included in the 1968 O&M manual. FS Date: 9/11/2013					

Photo 1 of 3 : UCIP_SP_2017_41354_34034.jpg



Concrete headwall on WS toe.

LM Start	1.78	Rating **	M	Issue No.	991 (cont)
LM End	1.78	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_41354_34033.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	1.78	Rating **	M	Issue No.	991 (cont)	
LM End	1.78	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.696958 °	37.696958 °	
				-121.177464 °	-121.177464 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41354 DS_ID:20470 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Silt buildup at inlet and outlet. FIELD_STRUCT_DESC: 1 of 2: 24-inch corrugated metal pipe through the levee 9.5-feet below the crown. Concrete "U"-shaped headwalls on both ends. Flap gate on the waterward end. Installed by USACE, 1966. Also included in the 1968 O&M manual. FS Date: 9/11/2013						

Photo 3 of 3 : UCIP_SP_2017_41354_34032.jpg



Concrete headwall at LS toe.

LM Start	1.78	Rating **	M	Issue No.	992
LM End	1.78	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696943 °	37.696943 °
				-121.177470 °	-121.177470 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20092					
DS_ID:20447					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Silt buildup at inlet and outlet.					
FIELD_STRUCT_DESC: 2 of 2: 24-inch corrugated metal pipe through the levee 9.5-feet below the crown. Concrete "U"-shaped headwalls on both ends. Flap gate on the waterward end. Installed by USACE, 1966. Also included in the 1968 O&M manual.					
FS Date: 9/11/2013					

Photo 1 of 3 : UCIP_SP_2017_20092_34041.jpg



Concrete U-shaped headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	1.78	Rating **	M	Issue No.	992 (cont)	
LM End	1.78	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.696943 °		37.696943 °
				-121.177470 °		-121.177470 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20092 DS_ID:20447 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Silt buildup at inlet and outlet. FIELD_STRUCT_DESC: 2 of 2: 24-inch corrugated metal pipe through the levee 9.5-feet below the crown. Concrete "U"-shaped headwalls on both ends. Flap gate on the waterward end. Installed by USACE, 1966. Also included in the 1968 O&M manual. FS Date: 9/11/2013						

Photo 2 of 3 : UCIP_SP_2017_20092_34040.jpg



Concrete U-shaped headwall on LS toe.

LM Start	1.78	Rating **	M	Issue No.	992 (cont)
LM End	1.78	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_20092_34039.jpg



Concrete U-shaped headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	2.24	Rating **	M	Issue No.	65
LM End	2.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.690438 °	37.690438 °
				-121.178576 °	-121.178576 °
DWR ID	DWR_RD2031_01_s_2017_65				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_65_20170427_00117.jpg



View of the tree that needs to be trimmed.

LM Start	2.34	Rating **	M	Issue No.	66
LM End	2.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.689116 °	37.688406 °
				-121.179113 °	-121.179886 °
DWR ID	DWR_RD2031_01_s_2017_66				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	2.39	Rating **	A/W	Issue No.	994
LM End	2.39	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.688676 °	37.688676 °
				-121.179622 °	-121.179622 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20110					
DS_ID:20449					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through levee 3.0 feet below crown. Concrete "U" headwall on the waterward end. Flap gate an the waterward end. 5'X5' concrete riser with pump on LS toe. Likely that concrete riser is inlet for drainpipe. Originally included in 1968 O&M manual.					
FS Date: 9/11/2013					

Photo 1 of 3 : UCIP_SP_2017_20110_34078.jpg



Flapgate and concrete headwall on WS toe.

LM Start	2.39	Rating **	A/W	Issue No.	994 (cont)
LM End	2.39	Issue Type +	Ma	Location *	CR

Photo 2 of 3 : UCIP_SP_2017_20110_34077.jpg



Vegetation covers outlet of pipe on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	2.39	Rating **	A/W	Issue No.	994 (cont)	
LM End	2.39	Issue Type +	Ma	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.688676 °	37.688676 °	
				-121.179622 °	-121.179622 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20110						
DS_ID:20449						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through levee 3.0 feet below crown. Concrete "U" headwall on the waterward end. Flap gate an the waterward end. 5'X5' concrete riser with pump on LS toe. Likely that concrete riser is inlet for drainpipe. Originally included in 1968 O&M manual.						
FS Date: 9/11/2013						

Photo 3 of 3 : UCIP_SP_2017_20110_34076.jpg



5'X5' concrete riser with pump on LS toe.

LM Start	2.82	Rating **	M	Issue No.	67
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.686751 °	37.686751 °
				-121.186743 °	-121.186743 °
DWR ID	DWR_RD2031_01_s_2017_67				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_67_20170427_00118.jpg



View of the tire ruts on the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	2.83	Rating **	U	Issue No.	68
LM End	3.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.686783 °	37.687915 °
				-121.186926 °	-121.190339 °
DWR ID	DWR_RD2031_01_s_2017_68				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove thistle at lest 20 feet down the levee slope.					

Photo 1 of 1 : SP_2017_RD2031_307_68_20170427_00119.jpg



View of the tall vegetation on the levee slope.

LM Start	3.08	Rating **	M	Issue No.	996
LM End	3.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.688297 °	37.688297 °
				-121.190865 °	-121.190865 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20449 DS_ID:20451 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal pipe through levee 14.0 feet below crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope. Originally included in the 1968 O&M manual. FS Date: 9/11/2013					

Photo 1 of 3 : UCIP_SP_2017_20449_34506.jpg



Slide gate in CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	3.08	Rating **	M	Issue No.	996 (cont)	
LM End	3.08	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.688297 °	37.688297 °	
				-121.190865 °	-121.190865 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20449						
DS_ID:20451						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears to be abandoned and if so should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal pipe through levee 14.0 feet below crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope. Originally included in the 1968 O&M manual.						
FS Date: 9/11/2013						

Photo 2 of 3 : UCIP_SP_2017_20449_34505.jpg



Pipe not visible on LS toe.

LM Start	3.08	Rating **	M	Issue No.	996 (cont)
LM End	3.08	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : UCIP_SP_2017_20449_34504.jpg



Slide gate in CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	3.59	Rating **	M	Issue No.	69
LM End	3.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.690409 °	37.690409 °
				-121.197291 °	-121.197291 °
DWR ID	DWR_RD2031_01_s_2017_69				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_69_20170427_00121.jpg



View of the tire ruts on the levee slope.

LM Start	3.66	Rating **	M	Issue No.	997
LM End	3.66	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.689900 °	37.689900 °
				-121.198319 °	-121.198319 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23064 DS_ID:20478 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 24-inch CMP drainpipe through levee 5.5 feet below crown. Flapgate visilbe at WS toe. Originally included in the 1968 O&M manual. FS Date: 9/12/2013					

Photo 1 of 2 : UCIP_SP_2017_23064_39200.jpg



CMP pipe and flapgate visible at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	3.66	Rating **	M	Issue No.	997 (cont)
LM End	3.66	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.689900 °	37.689900 °
				-121.198319 °	-121.198319 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23064 DS_ID:20478 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 24-inch CMP drainpipe through levee 5.5 feet below crown. Flapgate visilbe at WS toe. Originally included in the 1968 O&M manual. FS Date: 9/12/2013					

Photo 2 of 2 : UCIP_SP_2017_23064_39199.jpg



CMP pipe and flapgate visible at WS toe.

LM Start	3.69	Rating **	U	Issue No.	33
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.689718 °	37.686658 °
				-121.198833 °	-121.207747 °
DWR ID	DWR_RD2031_01_f_2016_33				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Trim back woody vegetation at least 15 feet away from the landside levee toe.					

Photo 1 of 4 : SP_2017_RD2031_307_33_20170427_00122.jpg



View of the vegetation at the levee toe and slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	3.69	Rating **	U	Issue No.	33 (cont)
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.689718 °	37.686658 °
				-121.198833 °	-121.207747 °
DWR ID	DWR_RD2031_01_f_2016_33				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Trim back woody vegetation at least 15 feet away from the landside levee toe.					

Photo 2 of 4 : SP_2017_RD2031_307_33_20170407_00020.jpg



Typical view of the tall vegetation on the landside levee slope and toe in this area.

LM Start	3.69	Rating **	U	Issue No.	33 (cont)
LM End	4.38	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP_2017_RD2031_307_33_20170407_00019.jpg



View of the tall vegetation on the landside levee slope and toe.

LM Start	3.69	Rating **	U	Issue No.	33 (cont)
LM End	4.38	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP_2017_RD2031_307_33_20170407_00021.jpg



Another view of the tall vegetation on the landside levee slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	3.78	Rating **	M	Issue No.	57
LM End	3.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.690302 °	37.690664 °
				-121.200232 °	-121.200549 °
DWR ID	DWR_RD2031_01_f_2015_57				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion at the landside levee toe.					

Photo 1 of 1 : SP_2017_RD2031_307_57_20170407_00040.jpg



View of the 18 inch vertical cut at the landside levee toe.

LM Start	4.39	Rating **	U	Issue No.	70
LM End	4.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.686545 °	37.686327 °
				-121.207846 °	-121.207968 °
DWR ID	DWR_RD2031_01_s_2017_70				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_70_20170427_00123.jpg



View of the tall vegetation on the levee crown and slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	4.41	Rating **	A/W	Issue No.	1002
LM End	4.41	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.686290 °	37.686290 °
				-121.208000 °	-121.208000 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20683 DS_ID:20458 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: *Abandoned* 14-inch steel pipe through levee 7.5 feet below crown. Plate welded on the waterward end. Pipe encased in reinforced concrete. 6'X12' concrete distribution box on LS toe. Originally included in the 1968 O&M manual. FS Date: 9/12/2013					

Photo 1 of 3 : UCIP_SP_2017_20683_34782.jpg



Pipe visible inside pumphouse on WS slope.

LM Start	4.41	Rating **	A/W	Issue No.	1002 (cont)
LM End	4.41	Issue Type +	Ma	Location *	CR

Photo 2 of 3 : UCIP_SP_2017_20683_34781.jpg



Welded steel plate over WS end of pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	4.41	Rating **	A/W	Issue No.	1002 (cont)	
LM End	4.41	Issue Type +	Ma	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.686290 °		37.686290 °
				-121.208000 °		-121.208000 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20683						
DS_ID:20458						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 2: *Abandoned* 14-inch steel pipe through levee 7.5 feet below crown. Plate welded on the waterward end. Pipe encased in reinforced concrete. 6'X12' concrete distribution box on LS toe. Originally included in the 1968 O&M manual.						
FS Date: 9/12/2013						

Photo 3 of 3 : UCIP_SP_2017_20683_34780.jpg



Concrete distribution box on LS toe.

LM Start	4.52	Rating **	U	Issue No.	43
LM End	4.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.684988 °	37.684988 °
				-121.208366 °	-121.208366 °
DWR ID	DWR_RD2031_01_s_2016_43				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_43_20170407_00028.jpg



View of the tall vegetation on the landside levee slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	5.01	Rating **	M	Issue No.	71
LM End	5.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.679712 °	37.679712 °
				-121.212613 °	-121.212613 °
DWR ID	DWR_RD2031_01_s_2017_71				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_71_20170427_00124.jpg



View of the erosion on the levee slope.

LM Start	5.33	Rating **	M	Issue No.	72
LM End	5.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.677907 °	37.671800 °
				-121.217482 °	-121.218800 °
DWR ID	DWR_RD2031_01_s_2017_72				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_72_20170427_00125.jpg



View of the vegetation on the levee slope.

LM Start	6.07	Rating **	M	Issue No.	73
LM End	6.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.669094 °	37.661802 °
				-121.222158 °	-121.229887 °
DWR ID	DWR_RD2031_01_s_2017_73				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_73_20170427_00126.jpg



View of the vegetation on the levee slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	04/25/2017 04/25/2017	Maksim Khashchuk

LM Start	6.27	Rating **	M	Issue No.	56
LM End	6.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.668979 °	37.668979 °
				-121.225766 °	-121.225766 °
DWR ID	DWR_RD2031_01_f_2016_56				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_307_56_20170407_00039.jpg



View of the broken tree limb on the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	0.18	Rating **	U	Issue No.	20
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.659394 °	37.659394 °
				-121.234020 °	-121.234020 °
DWR ID	DWR_RD2031_02_s_2017_20				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove shrubs from levee toe to allow visibility and access.					

Photo 1 of 1 : SP_2017_RD2031_308_20_20170427_00045.jpg



View of the dense shrubs at the levee toe.

LM Start	0.22	Rating **	A/W	Issue No.	967
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.658888 °	37.658888 °
				-121.234274 °	-121.234274 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20703					
DS_ID:20482					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 1 of 2: 24-inch steel pipe through levee 3.6 feet below crown. Concrete "U"-shaped headwall on the waterward end. Flap gates on the waterward end. Pump on pile structure on the landward side. Originally included in the 1968 O&M manual.					
FS Date: 9/12/2013					

Photo 1 of 3 : UCIP_SP_2017_20703_34822.jpg



Pump on platform at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	0.22	Rating **	A/W	Issue No.	967 (cont)	
LM End	0.22	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.658888 °	37.658888 °	
				-121.234274 °	-121.234274 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20703						
DS_ID:20482						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 2: 24-inch steel pipe through levee 3.6						
feet below crown. Concrete "U"-shaped headwall on the waterward						
end. Flap gates on the waterward end. Pump on pile structure on the						
landward side. Originally included in the 1968 O&M manual.						
FS Date: 9/12/2013						

Photo 2 of 3 : UCIP_SP_2017_20703_34821.jpg



Pond at outlet on WS toe.

LM Start	0.22	Rating **	A/W	Issue No.	967 (cont)
LM End	0.22	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_20703_34820.jpg



Concrete U-shaped headwall with flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	0.22	Rating **	A/W	Issue No.	968
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.658875 °	37.658875 °
				-121.234280 °	-121.234280 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20704					
DS_ID:20508					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 2 of 2: 24-inch steel pipe through levee 3.6 feet below crown. Concrete "U" headwall on the waterward end and concrete headwall at LS toe. Flap gate on the waterward end. Pump on pile structure on the landward side. Originally included in the 1968 O&M manual.					
FS Date: 9/12/2013					

Photo 1 of 3 : UCIP_SP_2017_20704_34826.jpg



Pump on pier on LS toe with shed at pump walkway.

LM Start	0.22	Rating **	A/W	Issue No.	968 (cont)
LM End	0.22	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_20704_34825.jpg



Pond at outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	0.24	Rating **	M	Issue No.	969 (cont)	
LM End	0.24	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.658595 °		37.658595 °
				-121.234410 °		-121.234410 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20708 DS_ID:20484 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet filled with soil, and CMP riser on WS slope needs lid as it may be a hazard. FIELD_STRUCT_DESC: 48-inch corrugated metal pipe through levee 22.8 feet below crown. Slide gate in 5-foot diameter corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on both ends. Flap gate on the waterward end. Originally included in the 1968 O&M manual. FS Date: 9/17/2013						

Photo 2 of 3 : UCIP_SP_2017_20708_34833.jpg



Concrete headwall on LS toe at edge of pond.

LM Start	0.24	Rating **	M	Issue No.	969 (cont)
LM End	0.24	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_20708_34832.jpg



Concrete headwall on LS toe at edge of pond.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	0.46	Rating **	M	Issue No.	23
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.655708 °	37.655708 °
				-121.234404 °	-121.234404 °
DWR ID	DWR_RD2031_02_s_2017_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_308_23_20170427_00047.jpg



View of the vegetation on the levee slope.

LM Start	1.42	Rating **	A/W	Issue No.	965
LM End	1.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.648005 °	37.647476 °
				-121.221039 °	-121.220766 °
DWR ID	DWR_RD2031_02_s_2012_965				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild rose bush on landside slope. LMA mowed the shrubs in fall 2016. Site must be maintained or shrubs will grow back.					

Photo 1 of 2 : SP_2017_RD2031_308_965_20170407_00009.jpg



View of wild rose emerging on levee slope. Fall 2016.

LM Start	1.42	Rating **	A/W	Issue No.	965 (cont)
LM End	1.46	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD2031_308_965_20170407_00010.jpg



Wild rose on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

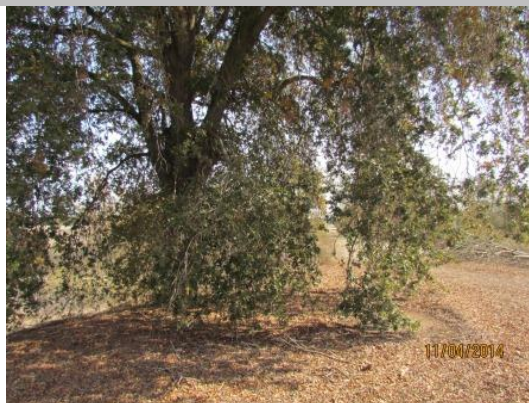
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	2.01	Rating **	M	Issue No.	25
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.640874 °	37.640874 °
				-121.223870 °	-121.223870 °
DWR ID	DWR_RD2031_02_f_2014_25				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_308_25_20170407_00007.jpg



View of the overgrown tree obstructing visibility and access of the landside levee slope.

LM Start	2.14	Rating **	U	Issue No.	30
LM End	2.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.640632 °	37.640217 °
				-121.221539 °	-121.217870 °
DWR ID	DWR_RD2031_02_s_2017_30				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The landside slope is unmaintained and has excessive vegetation that is obstructing visibility and access.					

Photo 1 of 1 : SP_2017_RD2031_308_30_20170518_00054.jpg



View of the dense vegetation on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	2.14	Rating **	M	Issue No.	31
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.640632 °	37.640217 °
				-121.221539 °	-121.217870 °
DWR ID	DWR_RD2031_02_s_2017_31				
Comment Code					
Inspector Comment					
The vegetation on the slope is obstructing visibility and access.					

No Photos

LM Start	2.14	Rating **	M	Issue No.	21
LM End	2.34	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.640632 °	37.640217 °
				-121.221539 °	-121.217874 °
DWR ID	DWR_RD2031_02_f_2014_21				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD2031_308_21_20170427_00051.jpg



View of overgrown vegetation on the levee crown.

LM Start	2.14	Rating **	M	Issue No.	21 (cont)
LM End	2.34	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP_2017_RD2031_308_21_20170407_00006.jpg



Another view of overgrown vegetation on the levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	2.35	Rating **	M	Issue No.	966
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.640228 °	37.638301 °
				-121.217766 °	-121.196465 °
DWR ID	DWR_RD2031_02_s_2012_966				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Obstructive trees and vegetation along highway are on the landside slope of the levee.					

No Photos

LM Start	2.72	Rating **	M	Issue No.	970
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.637760 °	37.637760 °
				-121.211743 °	-121.211743 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20713 DS_ID:20490 EP_NO: 11758 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe rusted through and failing at WS toe. Good indicator of internal condition of pipe. Good candidate for video inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drain pipe through levee 17.0 feet below crown. 20-inch steel pipe and 1.25-inch galvanized conduit sleeved through pipe. Annular space has been pressure grouted. 24-inch pipe originally included in the 1968 O&M manual. Slide gate in 48-inch CMP riser on LS slope. 36-inch concrete standpipe at LS toe with pump on 48-inch steel standpipe. 20-inch and 1.5-inch pipes installed under Permit No. 11758, 1976. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP_SP_2017_20713_34838.jpg



Pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	2.72	Rating **	M	Issue No.	970 (cont)
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.637760 °	37.637760 °
				-121.211743 °	-121.211743 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:20713
DS_ID:20490
EP_NO: 11758
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe rusted through and failing at WS toe. Good indicator of internal condition of pipe. Good candidate for video inspection.
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drain pipe through levee 17.0 feet below crown. 20-inch steel pipe and 1.25-inch galvanized conduit sleeved through pipe. Annular space has been pressure grouted. 24-inch pipe originally included in the 1968 O&M manual. Slide gate in 48-inch CMP riser on LS slope. 36-inch concrete standpipe at LS toe with pump on 48-inch steel standpipe. 20-inch and 1.5-inch pipes installed under Permit No. 11758, 1976.
FS Date: 9/17/2013

LM Start	2.72	Rating **	M	Issue No.	970 (cont)
LM End	2.72	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_20713_34837.jpg



Flow line of pipe completely rusted through at LS toe.

Photo 3 of 3 : UCIP_SP_2017_20713_34836.jpg



Slide gate in 48-inch CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	3.76	Rating **	A/W	Issue No.	972
LM End	3.76	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.638063 °	37.638063 °
				-121.192917 °	-121.192917 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20723 DS_ID:20507 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 5'x5' concrete box culvert semi-through levee 11.0 feet below crown. 30-inch pipe runs through culvert. Drop inlet next to concrete headwall on LS toe. Originally included in the 1968 O&M manual. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP_SP_2017_20723_34882.jpg



Flap gate on CMP pipe at WS toe.

LM Start	3.76	Rating **	A/W	Issue No.	972 (cont)
LM End	3.76	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_20723_34881.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	3.76	Rating **	A/W	Issue No.	972 (cont)
LM End	3.76	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.638063 °	37.638063 °
				-121.192917 °	-121.192917 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20723 DS_ID:20507 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 5'x5' concrete box culvert semi-through levee 11.0 feet below crown. 30-inch pipe runs through culvert. Drop inlet next to concrete headwall on LS toe. Originally included in the 1968 O&M manual. FS Date: 9/17/2013					

Photo 3 of 3 : UCIP_SP_2017_20723_34880.jpg



Drop inlet on LS toe.

LM Start	3.79	Rating **	A/W	Issue No.	973
LM End	3.79	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.637998 °	37.637998 °
				-121.192535 °	-121.192535 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20725 DS_ID:20495 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 9.0 feet below crown. Concrete "U" headwall and flap gate on the waterward end. Originally included in the 1968 O&M manual. FS Date: 9/17/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	4.16	Rating **	A/W	Issue No.	975
LM End	4.16	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.633376 °	37.633376 °
				-121.190765 °	-121.190765 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20728 DS_ID:20497 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 9.6 feet below crown. Concrete "U" headwall on each end. Flap gate on the waterward end. Flashboards in slots on the landward headwall. Originally included in the 1968 O&M manual. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP_SP_2017_20728_34895.jpg



Concrete headwall at ditch on LS toe.

LM Start	4.16	Rating **	A/W	Issue No.	975 (cont)
LM End	4.16	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_20728_34894.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	4.16	Rating **	A/W	Issue No.	975 (cont)	
LM End	4.16	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.633376 °	37.633376 °	
				-121.190765 °	-121.190765 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20728 DS_ID:20497 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 9.6 feet below crown. Concrete "U" headwall on each end. Flap gate on the waterward end. Flashboards in slots on the landward headwall. Originally included in the 1968 O&M manual. FS Date: 9/17/2013						

Photo 3 of 3 : UCIP_SP_2017_20728_34893.jpg



Headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	4.29	Rating **	A/W	Issue No.	1 (cont)
LM End	4.33	Issue Type +	Ma	Location *	WS

A wide-angle photograph of a dry, open landscape. The foreground is a flat, dusty area with patches of dry, yellowish-brown grass and small, dark shrubs. The middle ground shows a continuation of this terrain, with some more dense, greenish-brown vegetation appearing towards the horizon. The sky is a clear, solid blue, and the overall scene suggests a hot, arid environment.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	04/25/2017 04/26/2017	Maksim Khashchuk

LM Start	4.29	Rating **	A/W	Issue No.	1 (cont)	
LM End	4.33	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.631716 °	37.631716 °	
				-121.189370 °	-121.189370 °	
DWR ID	DWR_RD2031_02_s_2017_1					
Comment Code						
Inspector Comment						
07/08/2016: The erosion in the berm was found further progressed toward levee toe.						
08/19/2015: No significant change observed.						
07/17/2014: The erosion has slightly expanded toward levee toe at two pocket locations.						
09/10/2013: The site has been visited. The erosion has expanded toward levee crest at two pocket locations.						
07/18/2012: No significant change observed on the site.						
08/18/2011: No significant change observed on the site. Dead trees and animal activities are visible. The closest point of the erosion site to the levee toe is about 100 ft.						
10/19/2010: There is active scouring occurring on the bank due to the nature of the flow and the lack of armor protection. There is also a fallen log immediately downstream of where the erosion has occurred and is protruding outward, possibly creating an eddy and scouring the bank. With the remaining 100-foot wide berm, the levee prism is not yet affected. However, the bank will continue to degrade, and eventually intrude into the levee prism if no protection is put in place. Erosion site is recommended for annual assessment and monitoring during flood events. [2016 Site ID:RD2031U02RM78.7]						

Photo 3 of 3 : SP_2017_RD2031_308_1_20170407_00003.jpg



Close view of the erosion.

LM Start	4.88	Rating **	M	Issue No.	29
LM End	4.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.630827 °	37.630827 °
				-121.179072 °	-121.179072 °
DWR ID	DWR_RD2031_02_s_2017_29				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2031_308_29_20170427_00053.jpg



View of the pruning pile on the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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